Sunil Kumar Sharma

Computer Science and Engineering

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Portfolio | **Linkedin** | **LeetCode** | **GitHub**

EDUCATION

University of Engineering & Management (UEM), Kolkata — Kolkata, India
B. Tech Computer Science and Engineering — July 2019 - July 2023
CGPA: 9.33

Sunrise (Eng. Med.) School, Belur — Kolkata, India
Science — 2017 - 2019
Percentage: 73.5%

Holy Family Convent School, Liluah — Kolkata, India
Science — 2017
Percentage: 80.5%

SKILLS

Programming Languages:	Java, C, C++, C#, Python, Bash, HTML, CSS, JavaScript, MicroPython
Libraries/Frameworks:	Swing, LVGL, FreeRTOS, ESP-IDF, Arduino IDE
Tools / Platforms:	VS Code, Linux, MATLAB, GIT, GitHub, PlatformIO
Databases:	Firebase, MySQL, SQL

PROJECTS / OPEN-SOURCE

MediFi | Link — *Arduino, C++, C, Matlab, Android Studio, Thingspeak, 000webhost, MySQL*
IoT Healthcare Device, Collects vitals (SpO2, BPM, temperature) and motion data using using sensors and esp8266.SOS emergency trigger, data processed locally, sent to cloud via GSM/WiFi.Real-time data access for medical professionals and family through an Android app.

ESP32Cam Live Object Detection | Link — *Arduino, C++, C, Python, Computer Vision, YOLO*
In this project, an ESP32 Cam development board is utilized to capture live images. Subsequently, these images are sent to the computer for computer vision tasks. On the computer, we can observe the live feed, which includes object detection.

Gym Management System | Link — *Java, JFrame, Java Swing Framework, MySQL*
Developed a Gym Management System using Java programming language, the MySQL database powers the backend operations, designed to streamline gym operations. It offers a comprehensive range of functionalities, including member creation, payment tracking, and update capabilities. It has complete GUI interface.

CERTIFICATIONS

- Data Structures - **Coursera**
- C for Everyone: Programming Fundamentals - **Coursera**
- Programming for Everybody (Getting Started with Python) - **Coursera**
- SQL (Basic) Certificate - **Hackerrank**

HONORS & AWARDS

- Vice Chancellor's Award for Best Scientific Mind
- Papers Published in IEEE Xplore(Scopus), International Conference on Emerging Applications of Information Technology (Springer), American Journal of Electronics & Communication.